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**State of Utah**  
**DEPARTMENT OF NATURAL RESOURCES**  
**Division of Oil, Gas & Mining**

MICHAEL R. STYLER  
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Division Director

October 15, 2007

Carl Clyde  
Geneva Rock Products  
1565 West 400 North  
P. O. Box 538  
Orem, Utah 84059

Subject: Fifth Review of Notice of Intention to Commence Large Mining Operations, Geneva Rock Products, Point of the Mountain (South Hansen) Quarry, M0350026, Task 1806, Salt Lake County, Utah

Dear Mr. Clyde:

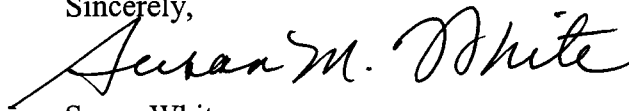
The Division has completed its review of the latest submittal of your Notice of Intention to Commence Large Mining Operations dated April 27, 2007, for the Point of the Mountain Quarry located in Salt Lake County, Utah. The comments are listed below under the applicable Minerals Rule heading. Please address only those items requested in the attached technical review. Send replacement pages of the original notice **using redline and strikeout text** and indicate how these are to be incorporated into the current approved plan using Form-MR-REV-att found on the Divisions web page. After the notice is determined technically complete you will be asked to send us two clean copies; one copy will be returned.

The Division requests that submittals are made according to the following format. Notices and changes should be three hole punched, maps folded and placed in a plastic 8 ½ by 11 sleeve, and binders provided for new notices, revisions, applications, or other changes of 30 pages or more (binders need only be provided once). An additional electronic copy is appreciated. You may request information relating to the location, size, and nature of the mineral deposit to be kept confidential. Confidential information must be clearly marked and provided in a separate binder. Please provide a response to this review by November 1, 2007.

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Carl Clyde  
M0350026  
October 15, 2007

The Division will suspend further review of the Point of the Mountain mine Notice of Intention until your response to this letter is received. If you have any questions in this regard please contact me, Tom Munson, Paul Baker or of the Minerals Staff. If you wish to arrange a meeting to sit down and discuss this review, please contact us at your earliest convenience. Thank you for your cooperation in completing this permitting action.

Sincerely,

A handwritten signature in black ink that reads "Susan M. White". The signature is fluid and cursive, with the first name "Susan" and middle initial "M." written in a larger, more prominent script than the last name "White".

Susan White  
Permit Supervisor  
Minerals Regulatory Program

SMW:pb  
Attachment: Review  
P:\GROUPS\MINERALS\WP\M035-SaltLake\M0350026-PointMtn\final\rev5-10092007.doc

## REVIEW OF NOTICE OF INTENTION TO COMMENCE LARGE MINING OPERATIONS

Geneva Rock Products  
Point of the Mountain Quarry  
M0350026  
October 15, 2007

### R647-4-106 - Operation Plan

- 106.6 Plan for protecting & redepositing soils  
Topsoil that was being stored above the highwall has been used for concurrent reclamation, and salvaged soils will not be stored above the highwall in the future. Based on this change in the text, Figure 3 needs to be revised. It still shows current and future soil stockpiles being stored above the highwall. (PBB)
- 106.7 Existing vegetation - species and amount  
The vegetation report classifies Dalmatian toadflax as a noxious weed for Utah, but this is not correct. The same report also says "pepperweed," *Lepidium densiflorum*, is a noxious weed, and this is also not correct. This species appears to be a native annual which would not be classified as a weed. Could the report be referring to hoary cress, *Cardaria draba*, or tall whitetop, *Lepidium latifolium*? (PBB)

### R647-4-109 - Impact Assessment

- 109.1 Impacts to surface & groundwater systems  
Based on discussions and commitments from a meeting between the Division, DEQ groundwater section, and the operator held on October 3, 2007. Certain surface water and groundwater sites will be sampled for surface and ground water quality information.
- The water in the fines settling pond needs to be sampled for a basic lab water quality suite of (major cations and anions) of parameters including field PH, conductivity and temperature for 12 consecutive months to determine water quality and then taper off to less frequent sampling of quarterly samples, if it is determined that the water quality has not changed during those 12 months.
- The two down gradient wells northwest of the fines pond need to be sampled for a basic lab water quality suite of (major cations and anions) of parameters including field PH, conductivity and temperature monthly for 12 consecutive months to determine water quality and then taper off to less frequent sampling of quarterly samples, if it is determined that the water quality has not changed during those 12 months. The wells need to be purge of 4 volumes of water before samples are taken.

The oil and grease detention basin will need to be sampled for BTEXN at a sampling site before the basin and after the basin to determine baseline water quality on a semiannual basis as recommended by DEQ.

An ongoing surface and groundwater sampling plan will need to be generated for the site and included in the permit. An appendix in the plan should be reserved for this data.

A permit area map will need to be generated to describe the flow patterns associated with surface water within the permit area. The Stormwater Pollution Prevention Plan (SWPPP) will be completed and included as a draft plan in the permit until approved by DEQ.  
(TM)

#### **R647-4-112 – Variance**

Please remove the request for a variance from revegetation requirements on the highwalls. The rules contain two standard for judging whether vegetation has been adequately established:

R647-4-111.13 Revegetation shall be considered accomplished when:

13.11. The revegetation has achieved 70 percent of the premining vegetative ground cover. . . . Also, the vegetation has survived three growing seasons following the last seeding, fertilization or irrigation, unless such practices are to continue as part of the postmining land use; or

13.12. The Division determines that the revegetation work has been satisfactorily completed within practical limits.

If it is difficult to establish vegetation on the highwall due to slope, lack of soil, or for other reasons, the Division may determine that revegetation work has been satisfactorily completed within practical limits. No variance from the rules is needed.

The topsoil variance is also not needed. The operator will be salvaging available soil and using it for reclamation on the pit floors. Please remove this request. (PBB)